

19990404.qrp v01_n416.qrl.990404

Date: Sun, 4 Apr 1999 19:03:14 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1416

QRP-L Digest 1416

Topics covered in this issue include:

- 1) [37273] SV: Recommendation for DMM?
by "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
- 2) [37274] officially passed 20WPM, but unofficially failed (horribly)
by Andy C Meng <andymeng@juno.com>
- 3) [37275] Re: Sierra Latch Mod
by Andy C Meng <andymeng@juno.com>
- 4) [37276] Re: Recommendation for DMM?
by The Boices <boice@bigfoot.com>
- 5) [37277] Re: Laser Beam Dipole / Fact or Fantasy ??
by "Robert P. Okas" <vintage@best.com>
- 6) [37278] Section 7
by "Mark Hogan" <mhogan@email.msn.com>
- 7) [37279] Re: 2 WAY QRPP NC Core Banks to DL(Was Re: distance)
by John Paul Keon <jpkeon@bellsouth.net>
- 8) [37280] nice webpage!
by tom whalen <wb5qyt@eFortress.com>
- 9) [37281] Hot for a "Red Hot"
by tom whalen <wb5qyt@eFortress.com>
- 10) [37282] also wtcpt?
by "ke5tc" <ke5tc@crosstel.net>
- 11) [37283] Re: Section 7
by "Mark Hogan" <mhogan@email.msn.com>
- 12) [37284] SPICE,PSPICE INFO?
by mjfitz@uswest.net
- 13) [37285] Re: officially passed 20WPM, but unofficially failed (horribly)
by "Tom H" <biskit@snip.net>
- 14) [37286] sgc 2020
by bkobie@webtv.net (patrick obrien)
- 15) [37287] RE: Laser beam dipole
by Mike Dooley <msdooley@airmail.net>
- 16) [37288] QSLMaker 2.1 Now Available
by "John J. McDonough" <jjmcd@tm.net>
- 17) [37289] Re: officially passed 20WPM, but unofficially failed (horribly)
by Thomas Kuehl <ac7a@uswest.net>
- 18) [37290] Re: officially passed 20WPM, but unofficially failed (horribly)
by "Tom H" <biskit@snip.net>
- 19) [37291] totally qrp -- 8 pics added

by sda <sda@bellsouth.net>
20) [37292] Elecraft K2
by "Ron Polityka" <wb3aal@talon.net>
21) [37293] Re: officially passed 20WPM, but unofficially failed (horribly)
by Peter Larsen <larsenp@cadvision.com>
22) [37294] Results For Spring Bouquet 04/04/99
by Fred Lesnick <flesnick@tbaytel.net>
23) [37295] QSLMaker 2.1 Now Available
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
24) [37296] Dayton QRP Banquet status!!!
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
25) [37297] NC-20 First QSO
by Paul Maciel <pmaciel@inow.com>
26) [37298] Re:officially passed 20WPM, but unofficially failed (horribly)
by sholisky@ktca.org (Scott Holisky)
27) [37299] Prize donors for Dayton QRP banquet...
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
28) [37300] re: Lazer Dipoles
by George Gingell <k3tks@u1.abs.net>
29) [37301] RTTY with CW rigs
by Bill Jones <kd7s@psnw.com>
30) [37302] NC20 AGC mod note
by Gary L Surrency <gsurrency@juno.com>
31) [37303] Re: RTTY with CW rigs
by "Zhen Leao" <by2hit@qsl.net>
32) [37304] Re:officially passed 20WPM, but unofficially failed (horribly)
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
33) [37305] Re: officially passed 20WPM, but unofficially failed (horribly)
by mikemo@ibm.net
34) [37306] RE: Laser beam dipole
by Tim and Aretta Gordish <kb9lgj@leogate.kf9ug.ampr.org>
35) [37307] Re: officially passed 20WPM, but unofficially failed (horribly)
by wb2vuo@juno.com
36) [37308] dil Sockets
by "Mark Hogan" <mhogan@email.msn.com>
37) [37309] Spring Bouquet for week ...
by Fred Lesnick <flesnick@tbaytel.net>
38) [37310] Fw: re: Lazer Dipoles
by wb2vuo@juno.com
39) [37311] Re: officially passed 20WPM, but unofficially failed (horribly)
by Bruce Rattray <rattray@gpfn.sk.ca>
40) [37312] G3RJV Away
by "George Dobbs" <g3rjv@gqrp.demon.co.uk>
41) [37313] Any Flower Stations on today??
by Fred Lesnick <flesnick@tbaytel.net>
42) [37314] Incredible Bandwidth
by "James R. Duffey" <jamesd1@flash.net>
43) [37315] Repeat your request please

- by ka7you@juno.com
- 44) [37316] Reminder for the SPARTAN SPRINT ON MONDAY
by "Russ Carpenter" <russ@natworld.com>
- 45) [37317] RE: officially passed 20WPM, but unofficially failed (horribly)
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 46) [37318] Re: also wtcpt?
by Ron Stark <ku7y@dri.edu>
- 47) [37319] QRP Multiband Rig Question
by Ed Lawson <elawson@lr.net>
- 48) [37320] Amateur operators to boycott Swatch AG
by Scott Howell <showell@hq.nasa.gov>
- 49) [37321] please help if you can
by Scott Howell <showell@hq.nasa.gov>
- 50) [37322] Operating PSK31 today!
by applitech@mcg.net (Claton Cadmus)
- 51) [37323] New GHD Bug from Morse Express
by "Marshall Emm" <mgemm@mtechnologies.com>
- 52) [37324] Re: officially passed 20WPM, but unofficially failed (horribly)
by Andy C Meng <andymeng@juno.com>
- 53) [37325] 20WPM CW Audio CD
by Chuck Adams <adams@ticnet.com>
- 54) [37326] SWATCH ALERT
by "George Goodroe" <goodroe@worldnet.att.net>
- 55) [37327] TRADE
by bkobie@webtv.net (patrick obrien)
- 56) [37328] Re: Incredible Bandwidth
by Bob Kellogg <ae4ic@nr.infi.net>
- 57) [37329] AR QRP Club Web Page
by vlantz@juno.com
- 58) [37330] Battery 'Float Charger'
by ka7you@juno.com
- 59) [37331] My NC20 works ;)
by Mighty Mik <mitymik@hooked.net>
- 60) [37332] Re: Incredible Bandwidth
by wa8rxi@juno.com
- 61) [37333] RE: Propagation Reflector (long)
by dave.g@dja@psilink.co.uk (Dave Ackrill)
- 62) [37334] Re: CW Groups 10.235
by dave.g@dja@psilink.co.uk (Dave Ackrill)
- 63) [37335] N9TA/QRP now 100% Solar !!
by Fred Bennett N9TA <N9TA@worldnet.att.net>

Date: Sun, 4 Apr 1999 02:01:48 +0200
From: "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
To: <jmlowman@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-
1@Lehigh.EDU>

Subject: [37273] SV: Recommendation for DMM?
Message-ID: <199904040000.CAA25206@d1o22.telia.com>

There seem to be many questions abt DMM:s.

I have been using a number of different ones in the years, Simpsons, Flukes, you name it...

Just recently I bought a not so expensive but very versatile DMM that I really like. Sorry, I dont know the source in US, in Sweden there is a company named ELFA in Stockholm that sells them. The brand is Chy and the model is 21C.

Its got almost everything you could ask for.

Of course the usual thing 0-400mV-4-40-400-1000 V DC, up to 750 V AC, 0-400uA-40-400mA-10A DC and AC, up to 400Mohm. But you also get 0-4000pF-40-400nF-4-400uF, 0-4-40-400mH-4-40H, 0-4-40-400-4000kHz, -20 - +750 degrees celsius (I assume a US version has got another unit...) and you have got diodtest, logic test and continuncy test.

All in a package for abt equal to 140 USD.

Only thing that one could wish is a transistor checker and a scope... But you cant get it all...

I use this instead of the others, including the expensive Fluke right now...

73

Hans / SM4ATJ

-----Ursprungligt meddelande-----

Fr n: Jim Lowman <jmlowman@ix.netcom.com>

Till: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Datum: den 4 april 1999 00:47

mne: Recommendation for DMM?

>Gang,

>

>I'm about to embark on the mission of assembling my Sierra.

>Yesterday I ordered a K2 kit, and the e-mail from Elecraft

>indicated that it would be approximately eight weeks before

>shipment.

>

>Since my shack is lacking in test equipment, and since both

>the Sierra and K2 kits require a DMM for alignment and

>troubleshooting after assembly, I'm looking for your ideas on

>which DMM to buy.

>

>Since this DMM should go for the long run, I don't mind spending

>a few extra bucks to get a good one but, naturally, I don't want to

>overspend. Other than alignment and troubleshooting, something

>for general use around the shack and bench is adequate.

>

>It would be a plus to get a DMM that would also do L/C measurements,

>since I am a novice at winding toroids, although I'm not opposed to
>buying a separate L/C meter.

>

>I would appreciate any suggestions, with possible sources. On the
>way home from breakfast this morning, I stopped at the local
>electronics store in Riverside and found some nice ones, but the
>prices probably could be beat at TechAmerica.

>

>Thanks in advance and 72 de Jim - AD6CW

>

>

Date: Sun, 4 Apr 1999 00:08:24 -0500
From: Andy C Meng <andymeng@juno.com>
To: qrp-l@lehigh.edu
Subject: [37274] officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <19990404.000830.14102.0.andymeng@juno.com>

OK gang, I feel kinda bad. No I DID NOT cheat. These tests accomplish
next to nothing.
I took the 20 WPM code test today, after practicing off of W1AW. The code
at the test was
FASTER than the W1AW code. Why??? It sounded more like the 25 WPM code.
The thing I
found though, was that I did better in my head than if I tried to write
it down. I also had to
really concentrate, in the other code tests I seemed to not have to
concentrate on concentra-
ting. :-) it's not easy :-). I got both call signs, rst, state, and
that's about it. I tried hard for RST,
and also name, but didn't quite get the name. I knew they'd ask those.
The rest was hit and
miss, sometimes I went for probably ten seconds just thinking about how
fast it was. Not good
:-) I probably only got ten percent of it.

Then I got the written test, filled out call signs, then I looked and NO
RST OR NAME!!! I was
shocked :-) It asked some other stuff, I got some of it since I had
copied a few numbers
here and there, also did some logic based on " I know they use all the
characters" :-) I knew

I failed. Then after it was graded, I was told I passed!! I got the CSCE, but I really felt cheated. I think the ARRL thinks CW is a joke... the way they test for it... I think it should be 9 out of 10. 7 out of 10 is nuthin... Does anyone else feel this way? The 5 and 13 were different, I knew I would pass (well, almost :-)). This is just tooooooo easy. I thought I would be proud to pass 20, not so. :-(I think I will take it again. (I need to see if their tapes were messed up anyway). Also what I'm going to do is take the time trials or whatever they call them... from ARRL (I hope you don't need to be a member, I not and don't want to be (but lets not start that again:-))). I can have that snazzy certificate on my wall and feel good. I think I might have to join for a year, just to get awards out of the way, no wait, QRP ARCI, forgot about them. Oh good, maybe I don't have to join ARRL.

Anyway, I failed the Advanced written... by two question... I feel kind of cheated about that, too. As I said I studied w/ the AA9PW java, and I never saw about half the questions on the test. I might have to get the book or something, now there's something the ARRL is good for, their books and magazines.

Well, with how bad I feel, today was still a wonderful day! My test was not what I was really worried about. I bet that sounds weird :-). My friend KC8LHR was going to take the code test, and if he passed his dad would take him to R&L the local ham shop. \$400 if he passed code (he was a tech)!!!!!!! Amazing, all I got was an HTX-202! :-) Here's the good news: he's becoming a QRPer! He can only run on the novice segment now. He got a Van Gorden full size 40 meter dipole package. To hook up to the SW-40+ he is getting! And I get to build it! Wow, thanks Paul for the Elmer 101 book! I'm finally going to use the instructions, not just the theory from it. :-) He also got an MFJ straight key, it seems nice for \$8. The other exciting thing he got is a 20 Amp astron pwr supply, DUAL METERS FOR \$109!!! We think it's a pretty good deal. Then (drumroll) a Kenwood TM-261A 2 meter 50W transceiver. I helped him hook it up to the power supply. It's really nice. (I know, you're just about to fall asleep :-)) BUT it does pertain

to QRP. We talked to each other awhile today, for the first time on 2 meters except for 30 seconds one morning before his (well, mine, he was borrowing my '202) batteries died. I was running another HT I've got that no longer TX's. This afternoon I finished up a dipole I made for him, it's really nice, but I want the antenna back I gave him :-). Although the dipole I made is nicer :-). I was doing some testing of it (unfair) it was in my room w/ 10 feet of RG8X feeding it, my other one is a groundplane on the roof, fed with 25 feet of RG58. He said he could copy me when I was at 100 mw. I used a Kay attenuator, power out of '202 being 1W. it's about a mile to his house, no records, but we're just using groundplanes and I was running QRP (I do have a 30W amp though if'n I need it). It's neat to talk to him w/o the phone.

If you hear KC8LHR on the 40m novice band say hi. He should be getting on in two or three week, I'd say. So today was a really good day overall. It's kind of neat to be an Elmer, I've been helping Ben since we started this time last year, and it's been fun, especially to see him finally meet his goal today.

I plan to work on my keyer problem tonight, hopefully get it fixed.

73 de KC8KFI Andy
QRP-L #1813 Cincinnati, OH Total HF CW QRP contacts: 24
e-mail: andymeng@juno.com URL: <http://www.qsl.net/kc8kfi/>
SW-40+ running 2W into a Dipole at 24ft. and straight key
HTX-202, KPC-3, and Garmin 45

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 4 Apr 1999 00:12:02 -0500
From: Andy C Meng <andymeng@juno.com>
To: qrp-l@lehigh.edu
Subject: [37275] Re: Sierra Latch Mod
Message-ID: <19990404.001609.14102.1.andymeng@juno.com>

>i took an old hard drive apart and got the rare earth magnets

>out and broke them into appropriate sizes (1/2 inch square).

those are WONDERFUL magnets, just hard to break right. They've got amazing holding power.

73 de KC8KFI Andy

QRP-L #1813 Cincinnati, OH Total HF CW QRP contacts: 24
e-mail: andymeng@juno.com URL: <http://www.qsl.net/kc8kfi/>
SW-40+ running 2W into a Dipole at 24ft. and straight key
HTX-202, KPC-3, and Garmin 45

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 03 Apr 1999 18:37:36 -0600
From: The Boices <boice@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [37276] Re: Recommendation for DMM?
Message-ID: <3.0.6.32.19990403183736.0092bdd0@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 18:55 99/04/03 -0500, Hugo W. Catta wrote:

>mentioned, but if you have the money... go for a Fluke 87 (near 400
>buxs new, it's a beauty and fast too) and that will be the last meter
>you'll buy.

Absolutely. Though one hasn't found its way into my home, we use these exclusively at work. Many features, extremely accurate and stable, and just the right amount of "heft" in your hand to let you know it's a quality meter.

73,

Mike Boice, KW1ND
Canyon TX
QRP-L # 576

Date: Sat, 3 Apr 1999 16:42:09 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>

To: Dave Barrett <DBarrett@creo.com>
Cc: qrp-1@lehigh.edu
Subject: [37277] Re: Laser Beam Dipole / Fact or Fantasy ??
Message-ID: <Pine.BSF.4.05.9904031632050.2885-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I'm not a laser jock, but I work with a bunch of 'em. I remember seeing a pulsed laser called an 'OPO' that was actually ionizing the air. It takes a fair number of joules to accomplish this this, but it's amazing to see a spark formed in mid-air! Imagine, a 90's version of a Herizian wave generator, 1990's, that is.

73,
Bob - W3CD

On Sat, 3 Apr 1999, Dave Barrett wrote:

> Hi All
> Well, being a Laser Jock, (I work with lasers all day long.....34 of
> them to be precise,) I just had to jump in there with a thought or two
>
>One could probably
> ionize the air molecules with suitable power levels creating a "rod" of
> ionized particles that if modulated with your favorite mode may indeed
> radiate. If we were to arrange beam splitters and more prisms we could tap

> Dave
> VE7PCC Vancouver BC Canada
>
> (Recumbent Builder Extrodinaire)
>

Date: Sat, 3 Apr 1999 18:50:53 -0600
From: "Mark Hogan" <mhogan@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [37278] Section 7
Message-ID: <007901be7e35\$364a7b90\$6ae60181@mhogan-ws>

OK so I'm slow.

Been trying to not cause solder bridges etc.
All tests prior to section 7 were fine.
Built section 7, put the probe on pin 1 U1 and get 0.104 volts. Using a

Fluke 87 meter.
What did I do wrong.
All other voltages are still fine.
This is my first kit and I'm muddling along.
Using the 1 turn pot, figured if I succeeded I'd upgrade it.
I really dont know where pin6 on U1 is but if it starts at 1 and goes
counterclockwise, the 6th pin varies volts from 3.4 to 6.89 and pin 2 has
4.07 volts on it.
So any help or observations will be appreciated.

Mark Hogan
N50BC
G-QRP 4972 QRP-L 1887 AR QRP 246
SST-40/SPEED-X BUG FT-847/Vibro Keyer

bet ya didn't know a bug could go so slow!

Date: Sat, 03 Apr 1999 21:10:04 +0100
From: John Paul Keon <jpkeon@bellsouth.net>
To: George Gingell <k3tks@u1.abs.net>
Cc: QRP List <qrp-l@Lehigh.EDU>, G-QRP Club E-mail Reflector <gqrp@onelist.com>,
Dave Johnson KnightLite QRP Club <klqrp@waterw.com>
Subject: [37279] Re: 2 WAY QRPp NC Core Banks to DL(Was Re: distance)
Message-ID: <3706759C.866E64C1@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, Lyn/W4WDN has taken the task on, but I have already written several
pages
of my own about the event...
I am letting him have the honors if he wants...
It was his brainchild..... we just helped him along..
JohnPaul/AB4PP
P.S. The story is one that could never possibly be duplicated, on either
side...

George Gingell wrote:

> Just thought that I would add my congratulations to all who participated
> in the Core Banks Expedition on the Last Week of March.
>

> TWO WAY QRPP Across the pond on 80 Meters is something to be proud of
> whether it is the first time or not.
>
> I would encourage you fellows to Apply for the QRP ARCI Thousand Miles Per
> Watt Award. Information can be found on the QRP ARCI WEB PAGE.
>
> <<http://www.qrparci.org>> or Contact Steve Slavsky, N4EUK directly at
> <radioham@erols.com>
>
> Also we hope that someone will write up the event and send the copy to QRP
> ARCI Quarterly Editor, N2APB. I am sure that many of the QRP Community
> would like to hear about the adventure.
>
> Sir George, The First :^)
>
> 72 ES
> QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@abs.net
> QRP A.R.C.I. Net Manager and Board of Director Member.
> Gingell & Company, Ltd. Small Business Telephone Systems
> Notary Public and Locksmith Services
> George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
> Maryland Milliwatt Club QRP Reference Library, (301)572-6789
> Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
> Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.
>
> On Sat, 3 Apr 1999, David W. Johnson wrote:
>
> > Good idea on the miles-per-watt award,
> >
> > BUT
> >
> > Chuck Adams is no longer the QRP ARCI Awards Manager.
> >
> > Please direct all QRP ARCI award applications to Steve Slavsky.
> > You can find his contact information on the QRP ARCI web site
> > (<<http://www.qrparci.org>>, then hit the link for "Contacts: Questions,
> > Input", but here it is too:
> >
> > Steve Slavsky, N4EUK; 12405 Kings Lake Drive, Reston, VA 20191-1611.
> > radioham@erols.com
> >
> >
> > Dave WA4NID
> > KnightLites (and QRP ARCI Membership Chairman and website manager)
> >
> > -----Original Message-----
> > From: Bob Kellogg <ae4ic@nr.infi.net>
> > To: Michael <mike.mhe@t-online.de>

> > Cc: LYN <designserv@ipass.net>; klqrp@waterw.com <klqrp@waterw.com>
 > > Date: Friday, April 02, 1999 10:56 PM
 > > Subject: Re: distance
 > >
 > >
 > > >Mike and Lyn,
 > > >
 > > >You guys should send this info to Chuck Adams of ARCI to recieve the
 > > >miles per watt award.
 > > >
 > > >Michael wrote:
 > > >
 > > >> >..computes to be 4240 statute miles or 6822 kilometers.
 > > >> >
 > > >> >This translates to 16,960 miles per watt for a 250 mW signal.
 > > >>
 > > >> Or 27.271 Km per watt, if I calculate right with a factor of 1.608
 > > >>
 > > >> >Personally, I'm proud of it, whether it is a world record or not!
 > > >>
 > > >> Yes, agree. What a number!
 > > >
 > > >
 > > >72/73,
 > > >Bob Kellogg, AE4IC, Greensboro, NC
 > > >Prolably, not Nececelery, - Benny Hill
 >
 > ===== KL QRP Club Mailing List =====
 > To unsubscribe from this list, send email to listserver@vramp.net
 > and put the text "unsubscribe klqrp" in the message. To post a
 > message to the list, send email to klqrp@vramp.net.

 Date: Sat, 03 Apr 1999 18:22:13 -0700
 From: tom whalen <wb5qyt@eFortress.com>
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [37280] nice webpage!
 Message-ID: <3706BEC5.3D24@eFortress.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

QRP Gang!

Wanna see a ham web page that has lots of useful info?

<http://www.ac6v.com>

Check it out! 72, Tom WB5QYT

Date: Sat, 03 Apr 1999 18:28:17 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37281] Hot for a "Red Hot"
Message-ID: <3706C031.3A6F@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP GANGUE!!

I believe I read that the Red Hot may be available sometime this month?

Have fallin in love with the NC20 and have the "hots" for the new RED HOT for 40m! Got the bux in my hot hands as soon as I get the word! Yep, still have a little birthday cash left.

72, Tom WB5QYT/rrm...."Have spud will travel!"

Date: Sat, 3 Apr 1999 14:24:17 -0600
From: "ke5tc" <ke5tc@crosstel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [37282] also wtcpt?
Message-ID: <000201be7e3e\$63a23700\$ac6c1ece@computer-1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I also have the weller wtcp and have the same questions that kh7pz ask. I understand that the tip should only be in contact with componet and board for 1 to 3 seconds? What is the best tip size and heat 600 ,700 or 800 deg. f. ??? Soldering lesson 101 please..

73 ke5tc Royce

Date: Sat, 3 Apr 1999 19:58:22 -0600
From: "Mark Hogan" <mhogan@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [37283] Re: Section 7
Message-ID: <002501be7e3e\$9f8331c0\$c111fed0@compaq>

i'm building a NC-20
I'm slow and I assumed...

-----Original Message-----

From: Mark Hogan <mhogan@email.msn.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Saturday, April 03, 1999 6:53 PM
Subject: Section 7

>OK so I'm slow.
>
>Been trying to not cause solder bridges etc.
>All tests prior to section 7 were fine.
>Built section 7, put the probe on pin 1 U1 and get 0.104 volts. Using a
>Fluke 87 meter.
>What did I do wrong.
>All other voltages are still fine.
>This is my first kit and I'm muddling along.
>Using the 1 turn pot, figured if I succeeded I'd upgrade it.
>I really dont know where pin6 on U1 is but if it starts at 1 and goes
>counterclockwise, the 6th pin varies volts from 3.4 to 6.89 and pin 2 has
>4.07 volts on it.
>So any help or observations will be appreciated.
>
>Mark Hogan
>N50BC
>G-QRP 4972 QRP-L 1887 AR QRP 246
>SST-40/SPEED-X BUG FT-847/Vibro Keyer
>
> bet ya didn't know a bug could go so slow!
>
>
>

Date: Sat, 03 Apr 1999 20:32:34 -0600
From: mjfitz@uswest.net
To: qrp-1@Lehigh.EDU
Subject: [37284] SPICE,PSPICE INFO?
Message-ID: <3706CF42.7E87DE7C@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OM's, YL's--

Want to know more about SPICE, PSPICE (?) software,
references. (Yes, I am guilty of shortsightedly deleting the

previous posts on the subject.) Have seen P. Tuinenga's
"SPICE: A Guide to Circuit Simulation and Analysis
Using PSPICE" referenced in the Handbook (1995) but
would like to get a little hands-on opinion from some of
the knowledgable folks that read this list...(and something

a little more up to date or applicable?)
I am interested in using it for The Hobby...and realize
there are many versions and additions for components.
Have access to the university bookstore...
If you use it and/or have an opinion, please E-mail me
a simple line or two directly.

Many thanks! Mike KI0AF Mo. Valley, IA

Date: Sat, 3 Apr 1999 21:33:51 -0500
From: "Tom H" <biskit@snip.net>
To: <qrp-1@Lehigh.EDU>
Subject: [37285] Re: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <014e01be7e43\$95483ac0\$ad4accd1@hybiske>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>I took the 20 WPM code test today, after practicing off of W1AW. The code

>at the test was
>FASTER than the W1AW code. Why??? It sounded more like the 25 WPM code.

Hi Andy,

Hre's the possible reason, and it's a common one. W1AW, and the ARRL in general send the characters faster than 20 wpm, say at 25 wpm, but then give, say, 17 wpm space between the characters. There is an official name for this type of sending, but it fails me at this time. While you can still distinguish the character at this faster speed, the longer space adds a little time for it to sink in, especially if you're border line 20 WPM. I studied using this method years ago, then when I took the FCC test, it gave me fits. But, I recognized what was happening, so I adjusted my code practice generator to the the FCC way of sending which is "20 wpm character" and "20 wpm spacing". I had to take the test twice, and the second time I remember I had what looked like a sheet of letters and numbers. It was only after the test when I started to add slashes between the letters that words started to appear out that mess. Don't give up! It'll happen!

7 3,

Tom K3GM

Date: Sat, 3 Apr 1999 22:14:34 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@lehigh.edu
Subject: [37286] sgc 2020
Message-ID: <15391-3706D91A-14044@mailtod-141.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

ANY PROBLEMS WITH THE SGC 2020 WOULD BE APPRECIATED
EX 1. LOUD RELAY CLICK
2. SOME CHIRPING IN XMTR
3. A QUICK JUMP A KC OR 2 THEN BACK TO ORIGINAL FREQ...
ANYONE EXPERIENCE THIS? 73 PAT/K8LEN

Date: Sat, 03 Apr 1999 21:16:03 -0600
From: Mike Dooley <msdooley@airmail.net>
To: qrp-l@lehigh.edu
Subject: [37287] RE: Laser beam dipole
Message-ID: <3.0.6.32.19990403211603.008179f0@mail.airmail.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To all those who replied with the various construction hints... especially the included ones :-) ... I don't think I've enjoyed an April issue as much as this! You folks are a hoot!

Mike N5BGZ

wv0r wrote: Try a 1 inch diameter lucite rod and wind it into a coil form. 73

K4AHK wrote: If you use lasers with electronically variable focal points, could you make a remotely tuneable multi-band antenna ? ? ?

Terry KA9TXE wrote: How about Fiber Optic cable for a coil?

Dave VE7PCC wrote: Well, being a Laser Jock...

Bob W3CD wrote: Well, I'm not a laser jock...

Date: Sat, 3 Apr 1999 22:26:47 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37288] QSLMaker 2.1 Now Available
Message-ID: <002b01be7e4a\$fe087780\$010044c0@mdp23b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QSLMaker 2.1 is now available.

QSLMaker 2,1 includes:
- Up to 1000 QSO's instead of just 100
- Importing ADIF files - gets to most of the common logging programs

- Importing TR-Log QSL label files
- Direct import from Loq-EQF version 9
- Template card lets you set your own defaults
- Negative card positions for difficult printers.

Many, many thanks to the beta test team. I got a lot of good feedback on issues I would never have picked up on myself. The beta test team:

K0EVZ	VE7CQK
WB0WQS	AK7O
WZ2T	N7QNM
WB3IUT	KC7UYZ
N4BP	KA7YOU
AC4WW	WA8XD

And special thanks to:

N3EQF	KI8CZ
-------	-------

QSLMaker 2.1 is now available for download from:
<http://www.qsl.net/wb8rcr/>

free, no strings, as always :-))

72/73 de WB8RCR <http://users.tm.net/jjmcd/>
 didileydadidah QRP-L #1446 Code Warriors #35

 Date: Sat, 03 Apr 1999 20:28:25 -0700
 From: Thomas Kuehl <ac7a@uswest.net>
 To: biskit@snip.net
 Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [37289] Re: officially passed 20WPM, but unofficially failed (horribly)
 Message-ID: <3706DC58.8F27E4D6@uswest.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

I believe it is referred to as the "Farnsworth" method.

Regards, Thomas - AC7A

Tom H wrote:

> >I took the 20 WPM code test today, after practicing off of W1AW. The code
> >at the test was
> >FASTER than the W1AW code. Why??? It sounded more like the 25 WPM code.
>
> Hi Andy,
>
> Here's the possible reason, and it's a common one. W1AW, and the ARRL in
> general send the characters faster than 20 wpm, say at 25 wpm, but then
> give, say, 17 wpm space between the characters. There is an official name
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> me fits. But, I recognized what was happening, so I adjusted my code
> practice generator to the the FCC way of sending which is "20 wpm character"
> and "20 wpm spacing". I had to take the test twice, and the second time I
> remember I had what looked like a sheet of letters and numbers. It was only
> after the test when I started to add slashes between the letters that words
> started to appear out that mess. Don't give up! It'll happen!
>
> 7 3,
>
> Tom K3GM

Date: Sat, 3 Apr 1999 22:44:33 -0500
From: "Tom H" <biskit@snip.net>
To: <qrp-1@Lehigh.EDU>
Subject: [37290] Re: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <01b401be7e4d\$759604a0\$ad4accd1@hybiske>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

That's it Tom, thanks!
K3GM

>I believe it is referred to as the "Farnsworth" method.
>
>Regards, Thomas - AC7A
>

>
>.....
>> >I took the 20 WPM code test today, after practicing off of W1AW. The
code
>> >at the test was
>> >FASTER than the W1AW code. Why??? It sounded more like the 25 WPM code.
>>
>> Hi Andy,
>>
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>> general send the characters faster than 20 wpm, say at 25 wpm, but then
>> give, say, 17 wpm space between the characters. There is an official
name
>> for this type of sending, but it fails me at this time.
K3GM

Date: Sat, 03 Apr 1999 21:29:52 -0600
From: sda <sda@bellsouth.net>
To: qrp-1@Lehigh.EDU
Subject: [37291] totally qrp -- 8 pics added
Message-ID: <199904040428.XAA22314@mail2.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

totally qrp: <http://www.qsl.net/k4msw>

Added eight new images to the "pics" section of the
page tonight. If you sent me stuff, and I haven't
put it up by now, please re-send as I lost some
stuff in a hard drive crash a few weeks back.

Also, anyone else who has pics of rigs and what not,
email me and I will get them up on the page.

Just ordered the ZM-2 tuner. Should be fun.
(Trying to forget about the K2, so I won't
agonize over it, and will leap for joy when
it arrives one day out of the blue).

72/3,

Todd Atkins, K4MSW
Baton Rouge, Louisiana

<http://www.qsl.net/k4msw>

Date: Sat, 3 Apr 1999 23:46:54 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [37292] Elecraft K2
Message-ID: <057401be7e56\$2a55b5e0\$5d5445c6@ronaldpo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am forwarding this for my friend Ed, WA3WSJ.
Please reply to Ed at breneiser@talon.net

Has anyone ordered or built a K2?
I just ordered one and will receive the kit in June.
Has anyone encountered any problems with a new k2 kit

Thanks,
WA3WSJ: Eastern PA QRP Club #24

Date: Sun, 04 Apr 1999 05:02:32 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: biskit@snip.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37293] Re: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <3706E458.5BC920D@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> There is an official name
> for this type of sending, but it fails me at this time.
>
> Tom K3GM

Is it Farnsworth?

--

73 es have fun
Peter
VE6YC D021wc

Artificial intelligence is no match for natural stupidity.

Date: Sun, 04 Apr 1999 00:07:48 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Earl Murphy <earlmurf@telusplanet.net>, "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [37294] Results For Spring Bouquet 04/04/99
Message-ID: <3706F3A3.989ECAAD@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks again to those who made it through all the QRN. My ears are bleeding from trying to pull the signals out of the static..80 metres was a washout, but 40 was ok despite the QRN....

Here goes....

04/04/99(Z)

03:01 K1QM 229 559 Joel Mass 4w
03:10 KI0ND 339 ??? Dave Co 5w
03:28 VE3FUL 579 489 Ted Ont. QRPC #75(The call got me too Ted)
03:38 KR0I 559 449 Mac Missouri 5w
03:45 VE6EY 449 559 Don Ab. 5w
03:53 NV4V 559 559 Pete Ky. QRPC #45
04:10 K0EVZ 559 539 Doc N.D. 5w(It paid off Doc)

Again Thanks to all for being there...

You can do so much with so little...

73 de Fred

VE3FAL

Date: Sun, 4 Apr 1999 00:03:39 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:jjmcd@tm.net" <jjmcd@tm.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>

Subject: [37295] QSLMaker 2.1 Now Available
Message-ID: <199904040007_MC2-7070-FC4A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

John:

Well it has been a real pleasure to work on the latest release. It is surely a quantum leap forward, and you are to be commended for making it available to the ham community. Please include me in the next round of beta testing.

Now I gotta get to work and re-do my own QSL card :-).

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Sun, 4 Apr 1999 00:38:00 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Cc: eax@w3eax.umd.edu, cw@qth.com, Laurel ARC <larc-l@webtrek.com>
Subject: [37296] Dayton QRP Banquet status!!!
Message-ID: <Pine.LNX.3.95.990404003014.28472A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Coming to Dayton in May for "THE HAMFEST?"

Friday, May 14, 7:30 p.m. at the Days Inn Dayton South, Miamisburg, OH.

Tons of food
Lots of door prizes
Lots of great QRPers from all over da world

Interested in joining the party?

Send a check for \$25/person, made out to QRP ARCI, to

Scott Rosenfeld N7JI

2250 Patterson St. #50
Eugene, OR 97405-2988

Please include a self-addressed stamped envelope if
you want your tix sent to you.

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sat, 03 Apr 1999 21:29:40 -0800
From: Paul Maciel <pmaciel@inow.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37297] NC-20 First QSO
Message-ID: <3706F8C3.E839C023@inow.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Finished up the NorCal 20 this afternoon and after the first 3X2 CQ got
a reply from Chuck KG4ADU. We had a very nice QRP to QRP contact with
449/549 signals both ways San Jose,CA to Marietta,GA. I've got a bit of
a thump on transmit so I guess I'll have to look into replacing the
FET's.

Thanks again to all the NC-20 team!

72,
---Paul AK1P San Jose, CA

Date: Sun, 04 Apr 1999 00:00:13 -0600
From: sholisky@ktca.org (Scott Holisky)
To: qrp-l@lehigh.edu
Subject: [37298] Re:officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <fc.000f548a0042bb72000f548a0042bb72.42bb75@ktca.org>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Congratulations Andy ! Now repeat after me " I am a good person....."
Hey point is if not for the most embarrassing failures, we'd never really learn squat.

I missed the first attempt at the extra exam, did a perfect 5 minutes of written copy on the scratch paper, but....yep....got off a number on the fill in the blanks on the grade sheet. Even though I pointed it out to the examiner, she still didn't much care. "Come back next month....blah blah....". Next month my scratch paper had the rst, qth, name...etc. only. I learned.

Maybe the most embarrassing moment was taking my novice exam...Steve came over to the house and brought his "new" Heathkit keyer, the old type with the Cherry microswitches. Let me try it out and while I was sending he was writing down the text. Di di di di di di di di , well you get the idea, then the exam started.

:) 73 Scott NOAR
Vadnais Heights, MN

Date: Sun, 4 Apr 1999 01:21:56 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [37299] Prize donors for Dayton QRP banquet...
Message-ID: <Pine.LNX.3.95.990404004319.28472B-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Dayton QRP banquet will be Friday, May 14, 1999 at 7:30 p.m.

I've already contacted a LOT of people about donation of door prizes, BUT I can't possibly contact everyone...if you're not interested in donating a door prize, simply disregard this message.

If you're interested in gaining some exposure for a QRP-related product you're marketing, have a club you want to promote, or just wish to make more prizes available for the banquet attendees, contact me for instructions.

Donations have historically come from clubs, companies, and individuals.

Everyone who makes a donation gets on the program and will be thanked

during the banquet and listed at my banquet web site (unless you don't want to be mentioned - anonymous donation is OK, too).

So, if you're interested in donating a prize, please let me know so I can get you the publicity you deserve (if you want it)!

Thanks and good night from Oregon, where it SNOWED today.

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sun, 4 Apr 1999 01:32:34 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [37300] re: Lazer Dipoles
Message-ID: <Pine.BSI.3.96.990404011808.5080A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

While we all know that the Article was in the April Issue, The fact remains that Lasers can provide some interesting QRP Communications Devices. The HE laser actually emits a secondary beam out of the back end creating the appearance of a "Dipole" Although a bit off center as the secondary beam is much weaker.

In the case of all Lasers, Dipoles or otherwise, Never Look Directly into the beam with your One Good Eye.

I have found that some of the 5 mW laser pointers make very good communications beams. A Transformer wired in series with the Battery Supply and you can modulate the beam quite nicely. Some have actually been used for Data Communications.

Want to shot around corners? Just connect the Laser Pointer into a fiber optic cable. Want to make a Loop One Laser and a few Corner Reflectors and you are in business. Want to make your other antennas nice and level? Mount the Laser Pointer on a Motor shaft with a small level and let it spin slowly. Also good for a low power light show.

The laser Pointer is also good as a remote control device. Install your Beacon Transmitter in the center insulator of a Standard Dipole and use the laser beam to key the Photocell Keyer switch. Fiber Optics can also be used with the control link if you want secure control.

All of which can be accomplished with low cost off the shelf components.

APRIL FOOL NOT!

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Locksmith Services
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Sat, 03 Apr 1999 22:43:46 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [37301] RTTY with CW rigs
Message-ID: <37070A22.189AAD8A@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There has been some discussion recently about operating RTTY with "CW only" rigs such as the SW30+. While it seems simple at first glance, there is more to it than one might think.

Logic would dictate that if you connect your PK-232 or MFJ-1278B to the headphone jack of an SW30+ you should at least be able to copy RTTY. Unfortunately, it won't work because the typical TNC is looking for tones centered around 2210 Hz which is usually far beyond the bandpass of a most CW transceivers. Most commercial TNC's are not adjustable.

Transmitting RTTY using an SW30+ (or other similar rig) is also a challenge. You cannot use AFSK because this is a CW rig. On the other hand, most TNC's can generate FSK signals. FSK can be used to shift the carrier frequency up or down fairly easily. However, setting and maintaining a stable 170 Hz shift takes some work.

That doesn't mean it can't be done. In fact, I have my NorCal 20 up and running on RTTY with a simple, homebrew interface. The interface fits inside the NC20 cabinet. Connection to a PC is done with a DB-25 connector mounted on the rear panel just above the headphone and paddle jacks.

I have been using my little Toshiba notebook computer as a terminal. With a moderately sized gel cell, the whole set up could go portable. I envision being able to run CW, RTTY, AMTOR and maybe even Pactor on a picnic table on my next camping trip.

When the design is finalized I will write up a set of step-by-step set of instructions. They will be made available to anyone who wants them, either for personal use or publication.

=====
Bill Jones - KD7S - <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Sat, 3 Apr 1999 23:50:04 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-1@lehigh.edu
Subject: [37302] NC20 AGC mod note
Message-ID: <19990403.235004.-94195.1.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I forgot to mention in my other posting today, that the TX-developed sidetone does not work with the latest AGC mod. It appears that the NE602 at U4 is completely turned off during TX, so it cannot detect the TX signal and produce a sidetone when a resistor is installed at R52 as mentioned in the manual's instructions.

So if you are going to set the TX offset using the method described in the manual, you'll need to temporarily disable the AGC to U4's pin 2 so that the product detector can work during transmit. This can be achieved by lifting one end of the 680 ohm resistor (that went in the place of C65) so the normal 1.4 volts appearing on U4's pin 2 is not pulled down

to ground. You may also need to lift one end of the 2.2k resistor in Dave's AGC mod, as it may still pull the 1.4 volt bias down too much for mixer action to occur in U4 during TX. I will check this out tomorrow.

Normally, pins 1 & 2 of the NE602 are internally biased at around 1.4 volts. But, we're doing a little trick here (thanks to Wayne Burdick, and first used in the SST, I believe) by applying an AGC voltage to these pins to control the NE602's gain. Pins 1 and 2 are at the same DC potential due to T4's secondary.

Of course, you can always just use the "big rig" (I use my TS-570D) rig to set the offset without bothering at all with this procedure to use the TX-developed sidetone. Just be aware that the AGC mod effectively silences any sidetone from the transmitted signal because U4 is muted completely during TX. The loss of the AGC2 voltage to U4, and the 680 ohm resistor to ground, causes the product detector to not function during transmit.

The previous note on the whoop problem I wrote about is related to this note, as the overloading of U4 by the TX signal was causing the NE602 to wake up even slower upon returning to receive. That was before D9 was re-installed, and returning some AGC control; or more correctly, reducing the gain of Q5 during transmit.

Hey! We're really getting to know the AGC and also the behavior of the NE602 here, aren't we? ;-) Tricky little devils, those NE602's.

Please let me know if you have any further questions or observations concerning this info. Thanks.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 4 Apr 1999 15:14:29 +0800
From: "Zhen Leao" <by2hit@qsl.net>
To: "QRP" <qrp-l@Lehigh.EDU>
Subject: [37303] Re: RTTY with CW rigs
Message-ID: <002801be7e81\$da7da1a0\$0cf2fea9@hit1>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Bill,

Can you introduce your interface in detail and
send a schematic to me?
And what kind of software do you use?
Hamcomm?

-Zhen Leao
BD4JI/BY2HIT

>
>That doesn't mean it can't be done. In fact, I have my NorCal 20
>up and running on RTTY with a simple, homebrew interface. The
>interface fits inside the NC20 cabinet. Connection to a PC is
>done with a DB-25 connector mounted on the rear panel just above
>the headphone and paddle jacks.
>
>I have been using my little Toshiba notebook computer as a
>terminal. With a moderately sized gel cell, the whole set up
>could go portable. I envision being able to run CW, RTTY, AMTOR
>and maybe even Pactor on a picnic table on my next camping trip.
>
>When the design is finalized I will write up a set of
>step-by-step set of instructions. They will be made available to
>anyone who wants them, either for personal use or publication.
>
>=====

>Bill Jones - KD7S - <><
>Sanger, California
><http://www.psnw.com/~kd7s>
>=====

>
>
>

Date: Sun, 4 Apr 1999 08:13:26 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Scott Holisky <sholisky@ktca.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37304] Re:officially passed 20WPM, but unofficially failed (horribly)

Message-ID: <Pine.GS0.4.10.9904040754120.22651-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>I missed the first attempt at the extra exam, did a perfect 5 minutes of
>written copy on the scratch paper, but....yep....got off a number on the
>fill in the blanks on the grade sheet. Even though I pointed it out to the
>examiner, she still didn't much care.

I started a note earlier this AM relative to another message on the code
test, then cancelled it. But this note started me up again.

1. 1 minute of solid copy is still a legitimate way to pass the test.
Hence, the scratch copy should have been checked for 1 minute of
copy--even to counting characters, if necessary--if the 10 question quiz
is not passed. VE teams should know this and not bypass this step.

2. If examinees are not given a choice of sending methods (standard or
Farnsworth), then the standard method should be used. At the very least,
examinees should be informed of the sending method in advance of paying
their fee.

There are lots of details involved in conducting a fair exam--details that
VEs know (or should know) and which need to be conveyed to examinees, who
often do not know but deserve to know. The VECs (ARRL, WCARS, etc.) keep
their VEs informed and encouraged to make complete explanations. As an
examinee, you have the right to inquire into the details of administering
the exams and to expect answers. You also have the right to contact the
VEC, should the answers not be satisfactory.

The VE program has increased the availability of ham exams immensely from
the good old days when FCC examiners visited major cities 2 or 4 times a
year and held regular exams only at their field office locations. But I
hope the standards for conducting these exams remain both high and
personal. As a long-time VE, I want every test to be equally fair both to
the FCC requirements and to the individual examinee. Full information on
what is going on is one key to this goal.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	----	\	---	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	/	/		(FAX)	(423)	974-3509
37938-4443 USA	/	\	\	\					cebik@utk.edu
QRP/ARCI 2572	G-QRP	7203	CQC	125	NEQRP	347	NORCAL	1111	MIQRP 1432
QCWA 13211	10-10	41159	FISTS	2600	NWQRP	401	scQRP	28	AK/QRP 343

ARRL Life: Tech. & Edu. Advisor CW Ops QRP Club (VK) 476 ARS 411
<http://web.utk.edu/~cebik/radio.html>

Date: Sun, 04 Apr 1999 08:19:35 -0400
From: mikemo@ibm.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37305] Re: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <370758D7.28BE7DB9@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You passed! Don't sweat it that it was by the skin of your teeth. Get on the air and use it. Don't be so hard on yourself!

72 de ku4qo

Mike Maiorana

Date: Sun, 4 Apr 1999 07:10:50 +0500
From: Tim and Aretta Gordish <kb9lgj@leogate.kf9ug.ampr.org>
To: qrp-1@Lehigh.EDU
Subject: [37306] RE: Laser beam dipole
Message-ID: <103110701b32c792fb786@[209.181.171.193]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Before doing any experiments with your lazer beam dipole, be sure and get ahold of a certified Catagory II Range Safety Officer. He will inform you how far away from the antenna the Laser Safety signs must be posted, and which safety goggles should be worn while operating. Remember, you can put an eye out with one of those things.

73 de Tim
KB9LGJ

QRP-L #457 MN-QRP NORCAL FISTS AR-QRP

Date: Sun, 4 Apr 1999 09:35:23 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [37307] Re: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <19990404.093524.-6543.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Please remember that passing the test, by whichever criteria you use, is only the first step. Actually utilizing your privileges is far more significant.

I got my Novice and Tech in 1966, taking the test in November of 1965 and waiting FOREVER! (Well, 12 weeks, but it seemed to be forever...)

When the tickets arrived, I had the station ready, but the long delay had introduced a large dollop of doubt, and I only listened for the first month. My first QSO in March 1966 was punctuated by "key fright" and freezing up. Fortunately, Reg lived just up the road, and called me on the phone, talking me thru that stage and back onto the air.

CW didn't come easy to me. I failed the "Solid minute of copy" at 13 WPM twice in the first year, and finally got 13WPM under my belt 6 years later, this while over in Italy with the US Navy. I took the Advanced after that deployment and failed 20 WPM badly. I took the Extra again in 1980, 1984 and finally passed in 1995. It took a long time but was worth it, although I am seldom in the low end of the band, but usually around the Novice band or the QRP watering holes...

If you passed, by the FCC's rules (the ARRL did not write those Rules, just submitted suggestions as a Request for Rulemaking), but you feel that you snuck into the ranks of Extra (or whichever class you passed) YOU can CHARGE INTO THE FRAY, settling the issue by excersizing your PRIVILEGES!!!

GO FOR IT, and leave the past in the past. See you on the band(s)...

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp. Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPp beacon
"My night light runs more power than my Rig!!!"

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 4 Apr 1999 08:46:26 -0500
From: "Mark Hogan" <mhogan@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37308] dil Sockets
Message-ID: <000301be7ea1\$8a20ea80\$6010fed0@compaq>

I'm sure this has been out here before, and i've missed it.

I am almost to the point where you must make a choice on to socket or not
socket my NC-20.
Are the sockets from my locak rat shack ok to use or do I need to call
Mouser, or someone like that?
Seconddly does anyone have a list that they have worked up for a parts order
on all the mods, sockets etc from say Mouser?
I'm new to this building, its a blast, I'm working slow so I hopefully don't
make many whoops's.

Thanks
Mark Hogan / N50BC

Date: Sun, 04 Apr 1999 10:06:15 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: Earl Murphy <earlmurf@telusplanet.net>, "qrp-canada@lists.gpfn.sk.ca" <qrp-
canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [37309] Spring Bouquet for week ...
Message-ID: <370771D6.C7F215CF@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I will be on each evening of the upcoming week....I will be on Monday to
Friday....

I will start at...

Times and frequencies will be.....

00:30-01:00 Z 3.710+/- 01:00-02:00z 7.042+/-

This should give everyone another chance at the Flowers for thier
Bouquets.....

Thanks and hope all are having fun...

73 de Fred

VE3FAL

You can do so much with so little...

Date: Sun, 4 Apr 1999 10:17:53 -0400
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [37310] Fw: re: Lazer Dipoles
Message-ID: <19990404.101753.-6543.1.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wish to add to George's post :

----- Forwarded message -----
>From: George Gingell <k3tks@u1.abs.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Date: Sun, 4 Apr 1999 01:32:34 -0500 (EST)
>Subject: re: Lazer Dipoles

>I have found that some of the 5 mW laser pointers make very good
>communications beams. A Transformer wired in series with the Battery
>Supply and you can modulate the beam quite nicely. Some have actually
been
>used for Data Communications.

The Rochester VHF Group has done just this, with Ev W2EV putting together
a seminar and building session to build Laser COmmu8nicators for the VHF
Contests. He used off-the-shelf Radio Shack parts and came up with an
easily duplicated light-beam communication system. Best DX out this way
has been about 10 Km, the limit being the available line-of-site paths.

I came up with a mod to Ev's original article, bridging the secondary of
the modulation transformer with a small resistor, this keeping the laser
running at about 40% of full output. The total modulatio was reduced,
but the laser was much more relable in the cold.

In a rather strage postscript, Ev's article in the Rochester VHF Journal
was reprinted in QST, but by a different author. It was identical right

down to the Radio Shack part numbers, but was written by someone from another club and submitted to QST without any credits to Mr. Tupis. Poor editorial review on the part of the ARRL as they receive a copy of the RVHFG Journal every month, and the original article was published over 2 years earlier...

Free-space laser communication is fun, inexpensive and effective, BUT subject to local and Federal regs. You are not allowed to project the beam into traffic or at/near aircraft. Common sense should rule, but the FAA has more clout!

>All of which can be accomplished with low cost off the shelf components.

>APRIL FOOL NOT!

>Sir George, The First :^)

BTW: You can also use the high-output LED's for a 2 - 3 Km range, too...

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp. Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPp beacon
"My night light runs more power than my Rig!!!"

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 4 Apr 1999 08:29:54 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37311] Re: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <Pine.LNX.3.95.990404082643.1563E-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I agree with Mike....when I took my first cw test 36 years ago, I was copying fine until the Radio Inspector switched to numbers and I "dropped the ball"....I thought, oh well, I can try again in month or so....but

the RI said I had passed because I had already qualified BEFORE he switched to sending numbers....you passed too, so get on the air and enjoy the rewards of your labors!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

On Sun, 4 Apr 1999 mikemo@ibm.net wrote:

> You passed! Don't sweat it that it was by the skin of your teeth. Get on
> the air and use it. Don't be so hard on yourself!
> 72 de ku4qo
> Mike Maiorana
>

Date: Sun, 4 Apr 1999 15:38:45 +0100
From: "George Dobbs" <g3rjv@gqrp.demon.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [37312] G3RJV Away
Message-ID: <000f01be7ea9\$7f104ca0\$151d989e@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am away from Monday until Saturday of this week
leading a Celtic Pilgrimage to Ireland
Therefore I will not be able to answer any email
until after that time.

Best Wishes	
George Dobbs G3RJV	"It is vain to do with more
g3rjv@gqrp.demon.co.uk	what can be done with less"
The G QRP Club	
[www.gqrp.demon.co.uk]	William of Occum. 1290-1350

Date: Sun, 04 Apr 1999 11:15:02 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-1 <qrp-1@Lehigh.EDU>

Subject: [37313] Any Flower Stations on today??

Message-ID: <370781F5.1060E31D@tbaytel.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

15 metres is opening up now, and hearing a few peeps on 10 metres. Just wondering if any of the bouquet stations are going to be on.. I need to fill my vase up with some floweres... Hope all have a Happy Easter..

Fred VE3FAL

You can do so much with so little...

Date: Sun, 4 Apr 99 09:20:28 -0600

From: "James R. Duffey" <jamesd1@flash.net>

To: "Peter Zenker" <Peter_DL2FI@csi.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [37314] Incredible Bandwidth

Message-ID: <199904041522.KAA07726@crius.flash.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Peter;

The SWR table for your GAP titan you published is very interesting, particularly the 20 M value:

SWR 2:1	SWR Minimum	SWR 2:1
>12450	14060 (1,0)	14840 ??? double checked, unbelievable bandwidth

There are two ways I can think of to obtain this kind of bandwidth, through "multiple resonances" or by excessive losses. If the SWR curve is smooth and shaped like a bowl you probably have excessive losses.

You have a bandwidth of 2.4 MHz and a fractional bandwidth of $14.06/2.4$ or 5.9. For a wire dipole about a half wavelength above ground the fractional bandwidth is about 15 to 20.

Since the fractional bandwidth is inversely proportional to losses I would assume that the antenna has some excessive losses.

I am not intimately familiar with the Gap Titan, but I do know some of the Gap antennas use a stub to load or decouple portions of the antenna. The stub is made from coax. It is possible that the coax is operating at a

high SWR and hence incurs large losses. This is one of the problems with using transmission lines as reactive elements, including traps. A second option is excessive ground losses.

It would be interesting to put an antenna analyzer on the antenna and see what the resistive component of the impedance is.

I hope that this helps. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest NM 87008

Date: Sun, 04 Apr 1999 11:37:28 EDT
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [37315] Repeat your request please
Message-ID: <19990404.075617.21175.0.ka7you@juno.com>

Within the last 10 hours, someone sent me a message requesting "Thanks for the info. How do I get a hold of him?", or something similar. I inadvertently deleted it, and I don't know by whom it was sent-sorry for the bandwidth.

If you would like to resubmit your request, I will be happy to respond.

7 3,

Rod Johnson KA7YOU

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 04 Apr 1999 08:46:01 -0700
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [37316] Reminder for the SPARTAN SPRINT ON MONDAY
Message-ID: <199904041542.IAA26233@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The April Spartan Sprint will be held on April 5 (which is our standard date--the first Monday of the month). We will be operating on two bands--40 and 20. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST.
2. The frequencies will be 7040 kHz+- and 14060 kHz+- . (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP," or "CQ SP TEST."
5. You can take credit for working the same station on a second or third band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to www.natworld.com/ars and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at www.natworld.com/ars/ss_log.html.

If you don't have access to the web, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants.

We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Sun, 4 Apr 1999 08:46:12 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <mikemo@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [37317] RE: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <000201be7eb2\$440af5c0\$0100000a@accurate-main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<<You passed! Don't sweat it that it was by the skin of <<your teeth. Get on
<<the air and use it. Don't be so hard on yourself!
<<\\::and other similar posts::(RAM)

I'm kind of surprised that no-one has acknowledged an increasingly rare form of character this MAN has shown.

Here is someone who, although he has struggled learning the code and theory of a discipline more than likely far removed from his work-a-day training, can take a step back, rely on his own higher set of standards, and acknowledge a problem with what is determined by others to be an acceptable level of proficiency. I say, that is commendable.

However, because this is (grab on to something) only a hobby, I agree now is the time to get on with it, advance your skills further with additional learning and operating, and let bygones be bygones. For non-hobbyist pursuits, This is the kind of person I would like to have as my Doctor or other trained specialist.

Congrats

Roger A. McCarty ARS KD6CC
<http://www.qsl.net/kd6cc>

Caution! The 2nd Law of Thermodynamics is at work on all things at all times.
Mankind and Human nature are not exempt from entropy. The only solution is to decide on a higher standard, and commit yourself to it.

Date: Sun, 4 Apr 1999 08:58:54 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: ke5tc <ke5tc@crosstel.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37318] Re: also wtcpt?
Message-ID: <Pine.SOL.3.96.990404085557.18915B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 3 Apr 1999, ke5tc wrote:

> I also have the weller wtcp and have the same questions that kh7pz ask. I
> understand that the tip should only be in contact with componet and board
> for 1 to 3 seconds? What is the best tip size and heat 600 ,700 or 800 deg.
> f. ??? Soldering lesson 101 please..
> 73 ke5tc Royce

You will find that the 700 deg tip will do fine for 95% or better
of your soldering.

On coax connectors I'd use the 800 deg tip. Ditto for those large
ground plane areas you see on some boards that seem to take
forever to get hot. Taking a long time is telling you that you
need more heat.

If you haven't done much soldering before, get some old boards
and start taking parts off and putting them back on.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 04 Apr 1999 12:38:09 -0400
From: Ed Lawson <elawson@lr.net>
To: qrp-l@lehigh.edu
Subject: [37319] QRP Multiband Rig Question
Message-ID: <37079571.A6E028E4@lr.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Having used a TT Scout for awhile as a QRP rig and having had a great time with a SST, I have the urge to build a multiband QRP rig for use in the shack and portable use such a field day where weight and size are not major concerns.

Based on cost and availability, it appears as if the Oak Hills 500 suits the bill well. I like the lack of modules, the bands covered, the 5 watts, and the price.

I would like to know from users whether it is a good rig for this use and from those who use other rigs why they selected something such as the Sierra, K2 etc. as opposed to the OH 500.

TIA

Ed Lawson
elawson@lr.net
K1VP

Date: Sun, 04 Apr 1999 10:49:49 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu, cw@qth.net, tentec@contesting.com
Subject: [37320] Amateur operators to boycott Swatch AG
Message-ID: <3.0.5.32.19990404104949.007ee3a0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am forwarding this because I think it is relevant. Please delete if you are not interested.

73 de Scott/n3byy
Laurel MD

>

>It was bound to happen, sooner or later:

>

>>Dear editors, Loop readers, list readers, and assorted amateur friends,
>>

>

>>Over the past week I have received an incredible response to my query in
>>the Hudson Division's Hudson Loop newsletter about a curious advertisement
>>on the Swatch web-site. To help advertise their new brand of "Swatch time"
>>watches, they appeared to be launching a satellite which would broadcast
>>the voice messages of web readers into space and back to earth over radio
>>on the frequencies from 145.800 to 146.000 MHz.

>>

>>Thanks to the excellent researching skills of Stephan Anderman, K2SMA, and
>>Rick Lindquist, N1RL, I've discovered that Swatch in cooperation with the
>>Russian space authorities have decided to use the two meter Amateur band
>>for direct advertising via the "Beatnik" satellite (a mini-Sputnik and
>>AMSAT-FR project formerly to be known as RS-19) across the entire world.

>>

>>According to AMSAT-France, during the construction of the satellite, the
>>Russian space center had made a separate commercial contract with the
>>Swatch watch company to put its messages on the satellite. This was done
>>in spite of AMSAT objections and contractual agreements with them not to
>>put commercial advertising content in the digital messages. AMSAT-FR
>>couldn't back out of their own contract and had to forward the parts on to
>>the space center.

>>

>>Riley Hollingsworth, K4ZDH, is doing his best to crack down on unlicensed
>>and unbecoming operations within the jurisdiction of the FCC, but soon an
>>egregious violation of the non-commercial status of amateur radio will
>>begin taking place just a few miles above our heads when our two meter
>>band is filled with advertisements for the latest Swatch watches.

>>

>>Bernard Pidoux, F6BVP, writes that we should do our best to ignore the
>>satellite and not do anything to assist Swatch, such as tracking and
>>publishing the Keplerian elements of this rogue mini-sat. I completely
>>agree, but I believe it's necessary to go even further than that.

>>

>>Just as we've successfully done in response to Little LEOs and APCO
>>proposals in the past, it's time for amateur operators around the world to
>>let Swatch AG and the Russian space program know just how precious our

>>bands are to us.
>>
>>The first step is a comprehensive boycott of Swatch products. If you were
>>considering the purchase of a Swatch watch for you or someone else, please
>>take a moment to consider some of the other watch manufacturers who are
>>not stealing away ham frequencies.
>>
>>Next is to write a letter off to the Swatch company explaining why you
>>made your purchase decision away from their products, and how you feel
>>about this intrusion on the amateur bands. Use this address from their
>>web-site registration as a starting point. If anyone knows the name of
>>particular individuals within Swatch that the letters could be personally
>>addressed to, please let me know.
>>
>>Swatch AG
>> Jakob-Stampfli-Strasse 94
>> 2504 Bienne
>> CH
>>
>>As I understand it, the Russian space center will be able to upload voice
>>data in ten message batches, so it's possible that under pressure from
>>Swatch, they could "pull" these commercial advertisements off the ham
>>bands at any time during the 30 day life, even while the satellite is
>
>>still operational. This is all the more reason to make it clear to Swatch
>>how strongly the amateur community feels about this issue right now!
>>
>>Also, if you come across any amateur's page this month containing the
>>Keplerian data or any mention of the Sputnik-99, let them know what Swatch
>>is doing and encourage them to remove them as soon as possible.
>>
>>I'll be maintaining a web site concerning the latest news in this problem
>>at <http://rob.carlson.org/swatch-protest>, which will start with this
>>letter. More news will be posted here and placed on the web site as I
>>hear about it. If you have any information, please feel free to e-mail me
>>at rcarls2@umbc.edu or kc2aei@amsat.org, or call me at (410) 455-3192 at
>>any time.
>>
>>Please forward this message as necessary so that we can inform as many
>>amateur operators worldwide as possible about this problem.
>>
>>73 and good luck,
>>Rob Carlson, KC2AEI
>>rcarls2@umbc.edu
>>
>>--
>>Rob Carlson, KC2AEI | rcarls2@umbc.edu | <http://rob.carlson.org>
>>

>
>Pud Reaver, W3YD
>301-498-6293
>301-498-2885 (fax)
>
>-----
>To unsubscribe from this list send a message
> to 'larc-1@webtrek.com' with the word
> 'unsubscribe' in the subject.
>
>
>

Date: Sun, 04 Apr 1999 13:35:52 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [37321] please help if you can
Message-ID: <3.0.5.32.19990404133552.007e78f0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

find qsl info for this call.

`om6ano

tnx es 73 de Scott/n3byy
Laurel MD

Date: Sun, 4 Apr 1999 13:32:48 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>, "MNQRP-L" <mnqrp-1@qth.net>
Subject: [37322] Operating PSK31 today!
Message-ID: <009701be7ec9\$b0991020\$a10a5e2c@groucho>

I will operating PSK31 on 28.120 today starting about 18:30 UTC (1:30 CDT)today. I'm hoping band conditions will be good and many of you will try to join me. Thanks.

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Sun, 4 Apr 1999 12:43:56 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Morse.Express.Clients@edison.chisp.net,
Morse.Express.Clients@edison.chisp.net, qrp-1@lehigh.edu,
cqclist@mtechnologies.com, brasspounders@e-groups.com
Subject: [37323] New GHD Bug from Morse Express
Message-ID: <199904041843.MAA23359@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

We got a shipment of GHD paddles and bugs in this week-- so all models are in stock, including a new one that we hadn't seen before.

It's the GHD GD205MKII single lever paddle with optical sensors. It's very similar to the GD305MKII, but instead of the "W" type dual levers, this one has a single operating lever for both dots and dashes. It has a distinctly different feel to it, and at \$349.95, or a tad less expensive than the 305 model. The electronic circuitry includes a relay, so it will operate a tube rig with no fuss.

>From the original description by maker Toshihiko Ujiie, "Main weight is light so you feel real cool touch. Photo Cell and New Hair Pin type blind panel can make Strong dot signal. This stopper can easily remove by a bolt. If remove stopper, can make a clean signal as ever made GHD Key "

If you know what that last part means, let me know!

A picture is available on the web site at <http://www.MorseX.com/ghd> and you can order on our secure page or toll free on 800-238-8205.

Date: Sun, 4 Apr 1999 20:00:01 -0400
From: Andy C Meng <andymeng@juno.com>
To: qrp-1@lehigh.edu
Subject: [37324] Re: officially passed 20WPM, but unofficially failed (horribly)
Message-ID: <19990404.200003.3270.7.andymeng@juno.com>

Yeah, I should just start using my privileges, and not worry about it.

Andy KC8KFI

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 04 Apr 99 14:35:57 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [37325] 20WPM CW Audio CD
Message-ID: <E10Trsb-0003XC-00@smtp.ticnet.com>

Gang,

I have the software in place now to do CW at any speed
on an audio CD.

So if you are going for the 20WPM exam and want 70
mins of practice QSOs on a CD please send me email and I'll
give you details on how to go about getting it and the costs
involved.

This offer is only for people without Extra class licenses
at the present time. It takes me an hour and a half to do
each disk. One hour to generate the 60 minutes of audio
in realtime and the 30 minutes to program the disk at 2x.
So this is a time consuming project, so let me help those
going for Extra class licenses first and then we'll come back
and discuss further adventures. Those that already have
licenses should be on the air. :-) ;-)

This is a first come first served offer and I'll start taking a list
with the following information needed:

Name:
Call (if any):
License Class: (again, no Extra class)
Address:
email address:

I'd expect the list to be small as if I remember correctly

at one time more than 85% of this list was Extra Class
licensees.

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Sun, 4 Apr 1999 15:32:37 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [37326] SWATCH ALERT
Message-ID: <000001be7ed2\$68ef55a0\$f2a7fea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would encourage EVERYONE to send swatch a .WAV file about how they feel!!

you can go to <http://www.swatch.com/beatnik/send.php3> and fill in their
"send a message to space" thing and well, I say tell them what you think
about them doing this over ham radio (as well as sending them a letter)

I'm sure if they get a few thousand of these type of WAV files they might
rethink this..

-Chris

Date: Sun, 4 Apr 1999 14:52:41 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-1@lehigh.edu
Subject: [37327] TRADE
Message-ID: <24350-3707C309-8534@mailtod-142.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

TRADE MINT NORCAL 40A
FOR
MFJ QRP XCVR 17 OR 40 MTRS
OR SELL
FOR 105 PLUS 5 FOR S/H
QSL K8LEN/PAT

Date: Sun, 04 Apr 1999 16:01:19 -0700
From: Bob Kellogg <ae4ic@nr.infi.net>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37328] Re: Incredible Bandwidth
Message-ID: <3707EF3F.1C7986A4@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

This is not to disagree with "Dr. Megacycle". What he says is true.

However, I have noticed a similar phenomonon when testing tuners. That is, sometimes there is a magical combination of tuner settings which allow a very wide bandwidth, sometimes several MHz wide. This only occurs with some tuner designs, and it generally is associated with very *high* efficiency. In other words, at the center of the SWR range, (1.0:1 SWR) the tuner is *very* efficient, with perhaps less than 5% or 10% loss.

Like Duffy, I viewed this with suspicion. Once I worked for weeks designing a wide band antenna. I worked to get a low SWR reading over the entire band, and was pretty successful. Then I looked at the antennas efficiency, and found I had practically killed it as an antenna. A wooden door would have exhibited similar characteristics! So the tuner data was very suspect.

It's possible that a very wide frequency range with low SWR may be efficient at the center of the range, and much less efficient as one moves toward the outer edges of the range. I haven't checked this.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, not Nececelery, - Benny Hill

Date: Sun, 4 Apr 1999 15:21:49 -0500
From: vlantz@juno.com
To: qrp-l@Lehigh.EDU
Subject: [37329] AR QRP Club Web Page
Message-ID: <19990404.152150.-250573.1.VLantz@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Say What!?!?!?

Yes, you heard right folks. ARqrp Club now has an official web page.

It's brand new, so the content is in a growing state. But, we do have the contest rules for mwwAS, and The Millenium Challllege. Also, we have rig and antenna projects and pictures (Just what is a Square-Vee??). It even has the latest newsletter.

Come one, come all, come kids of all ages (Sorry, wrong show.)

The address is:
<http://members.xoom.com/VLantz/arqrp.htm> (the capital VL is important)

Is you have any problems with the site, report them to this address, or use the @ link on any of the pages.

Vann Lantz, KF4QHJ, AL - VLantz@Juno.Com
QRP-L #1790, AR QRP #241
Ramsey QRP 1 Watt TX, Atlas 210-X RCVR, Long Wire
[Http://members.xoom.com/VLantz/home.htm](http://members.xoom.com/VLantz/home.htm)
"Make fun of life, because life sure is making fun of you!"

Date: Sun, 04 Apr 1999 16:32:25 EDT
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [37330] Battery 'Float Charger'
Message-ID: <19990404.125124.21175.5.ka7you@juno.com>

As an experiment, I recently purchased and inexpensive 12 volt, Automatic Battery Float Charger from Harbor Freight (Item # 37137). It was in a

sale catalog for about \$12 or \$13. I was unsure about what I was going to receive, but it is a 15V @ 600ma 'wall-wart' transformer with a small (1.5 x 1.5 inch) plastic box attached which contains a regulator circuit.

The output leads are a pair of fairly large battery clamps.

It is designed to keep the charging voltage below 13.5 volts to a gelled or liquid electrolyte lead-acid battery. The specs say it will maintain batteries up to 125 AHr capacity. It is NOT designed to be a charger, just a float or capacity maintenance device, although it will 'very slowly' bring up a weak battery.

My first hookup was with a 7 hr-Hr gel-cell and the terminal voltage was 12.4 volts before hookup. Upon connecting the battery voltage rose immediately to 12.6, and an inline ammeter showed about 400ma charge current. An hour later, the battery terminal voltage was 12.9 volts and the charging current had dropped to about 100 ma.

This morning, the voltmeter showed 13.4 volts and charge current of about 25 ma.

The electronics in the box consist of a pair of T0-220 style transistors, or regulators, a dozen misc diodes and resistors, an LED, and a small pot probably to set the output voltage. It is built such that I cannot see any part numbers on the major components or do any reverse engineering until I unsolder the transistor/heat sink ass'y.

This seems like a fair value for an inexpensive and useful device for those needing something to keep those standby batteries ready.

Usual disclaimers apply.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

160M thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

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Date: Sun, 04 Apr 1999 13:50:47 -0800

From: Mighty Mik <mitymik@hooked.net>

To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>

Subject: [37331] My NC20 works ;)

Message-ID: <3707DE8D.6F4FB887@hooked.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

had the 1st QSO with it today. 2X QRP at that.

Date: Sun, 4 Apr 1999 21:47:32 -0400
From: wa8rxi@juno.com
To: ae4ic@nr.infi.net
Cc: qrp-1@Lehigh.EDU
Subject: [37332] Re: Incredible Bandwidth
Message-ID: <19990404.214732.-80777.2.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Sun, 04 Apr 1999 16:01:19 -0700 Bob Kellogg <ae4ic@nr.infi.net>
writes:
>Gang,

>This is not to disagree with "Dr. Megacycle". What he says is true.

>Like Duffy, I viewed this with suspicion. Once I worked for weeks
>designing a wide band antenna. I worked to get a low SWR reading
>over the entire band, and was pretty successful.

=====

Bob, et al.
Another thing that we have to remember, is that a Dummy load, also
looks really good to an SWR / Wattmeter... :-]
An SWR Analyzer, friend across town and/or a Field Strength Meter might
be better tools to assist in determining the 'relative' merit of an
Antenna
system.
I have 2-ATU's in my shack (one QRO, one QRP).
I have "tricked" (lied to?) many a Transceiver with each!

Rick - WA8RXI Taylor, MI.
Blue, Orange, Green, Brown, Slate!

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 04 Apr 1999 21:54:52 -0700
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-1@lehigh.edu
Subject: [37333] RE: Propagation Reflector (long)
Message-ID: <E10Tuov-0000kW-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I hope that this proves useful to some and apologize for the bandwidth to
>those not interested. 72! - Dr. Megacycle KK6MC/5

There's a NASA reflector that gives you all the Sun info, Geomagnetic info.
and some predictions, without the non-scientific stuff, as well.

Try the U.S. Dept. of Commerce, NOAA, at Space Environment Center.

(Sorry, the full e-mail address is hidden by the really 'helpful' Internet
Explorer system! NOT!!!)

de Dave (G0DJA)

Date: Sun, 04 Apr 1999 21:54:53 -0700
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-1@lehigh.edu
Subject: [37334] Re: CW Groups 10.235
Message-ID: <E10Tuox-0000kW-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Should you accept this task, your brain will implode within 5
>seconds of decoding the message. Happy 99 Marris

And if I could, then I'd *really* worry about national security!

Put it this way, if you or I can work it out, how secure is it?

Or, maybe it's a double, or triple bluff?

The truth is out there. If anyone really cares....

de Dave (G0DJA)

Waiting for a visit from the UK Spooks.

Date: Sun, 04 Apr 1999 17:27:53 -0500
From: Fred Bennett N9TA <N9TA@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>, CW Reflector <cw@qth.net>
Subject: [37335] N9TA/QRP now 100% Solar !!
Message-ID: <3707E769.EAC463E4@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang

Well, my back is aching.....my cloths are dirty.....the place
looks like a tornado struck....the wife thinks I'm NUTS !!
BUT, after 2 days of work, I have the solar system up and
running. It powers my whole QRP station (HW-9, Timewave
DSP 599ZX, Yaesu FT 290R).

System consists of:

64 watt Unisolar triple junction photo voltaic panel.
Trace C12 charge and load controller (12 Amp charging and supply).
Qty 2 (two) 45 amp hour gel cells in parallel for a total of 90 AH.

I now have the station just where I want it....EXCEPT for one thing...
I want my K2.....waaaaaaa

73.....de.....Fred N9TA

End of QRP-L Digest 1416

